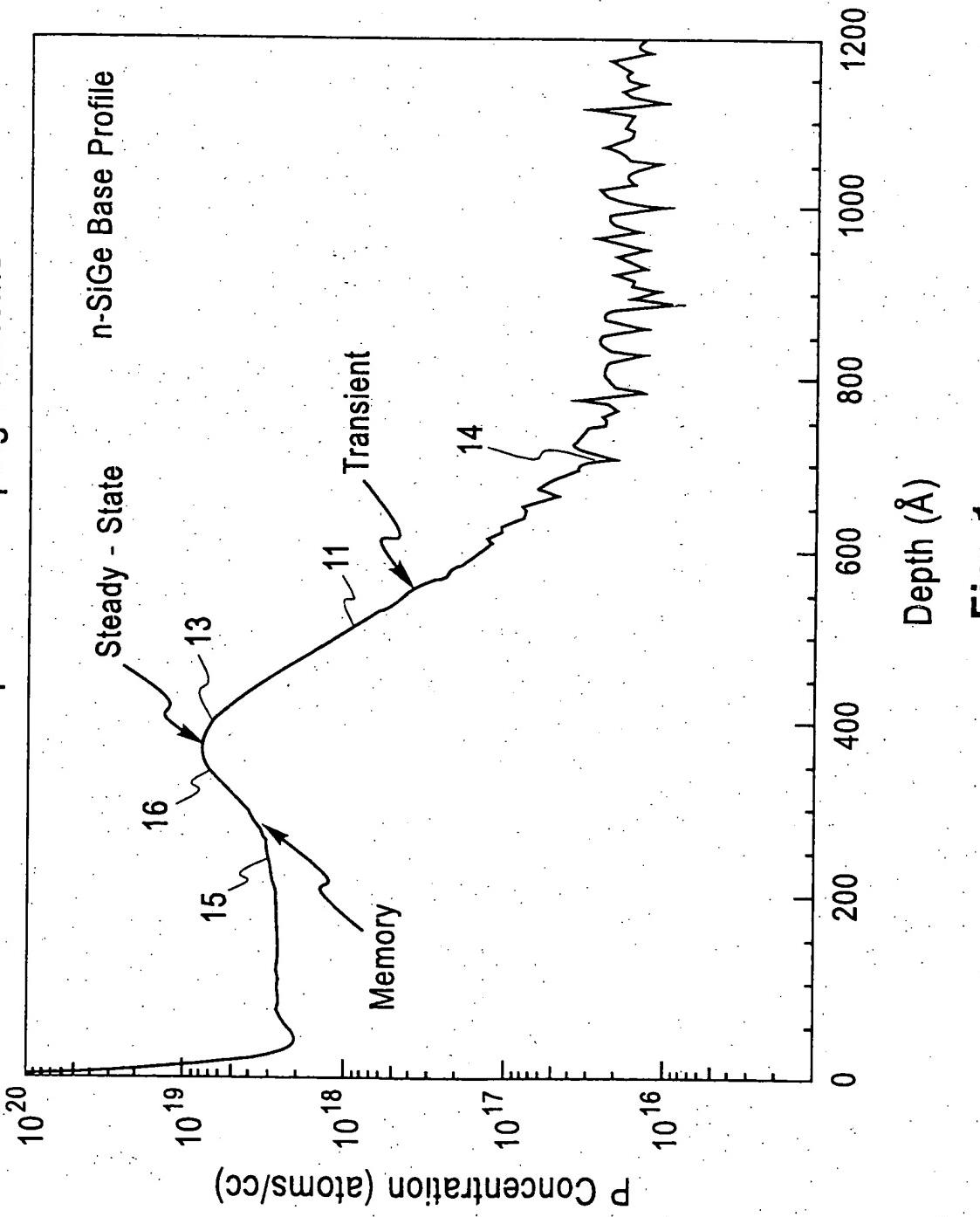


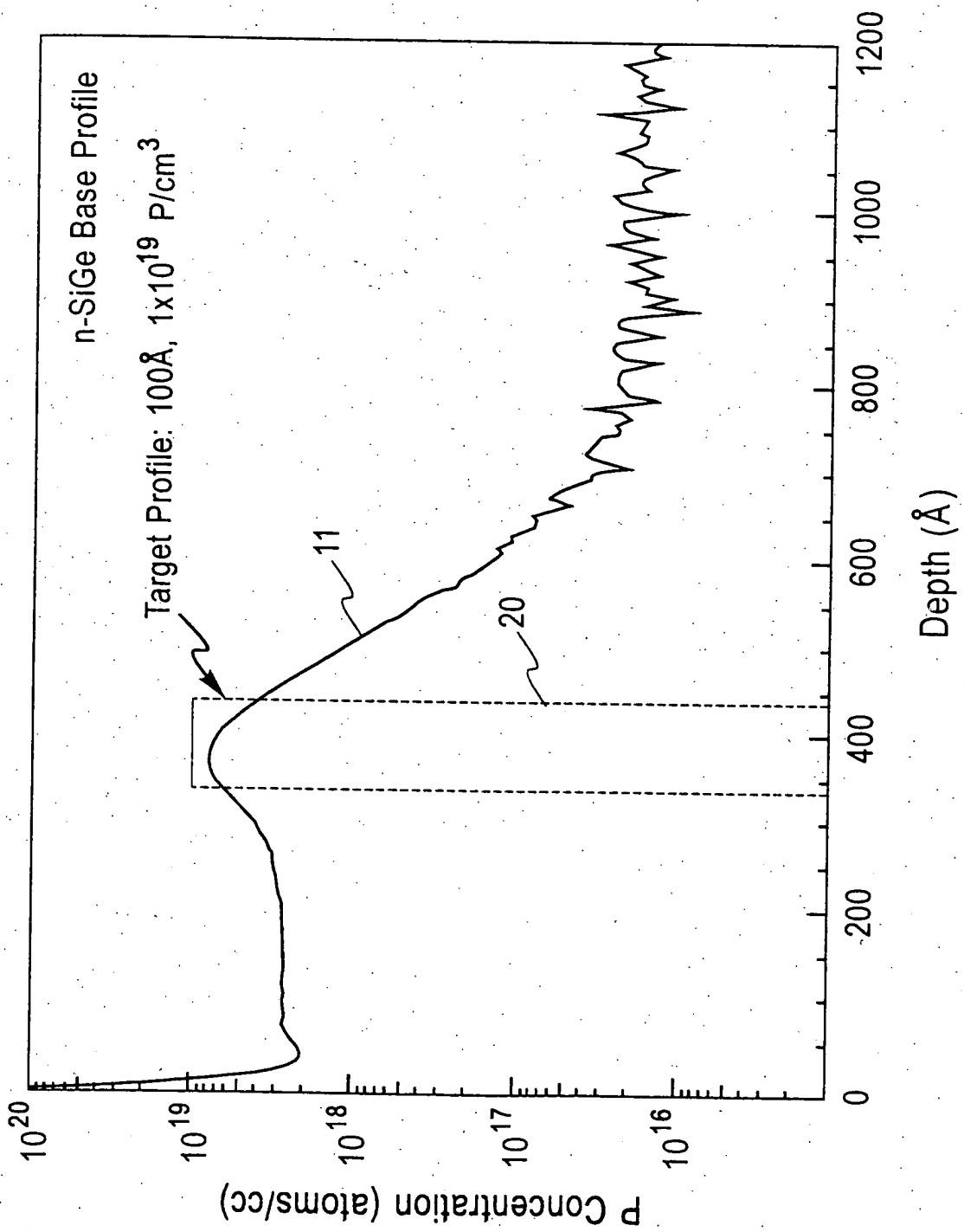
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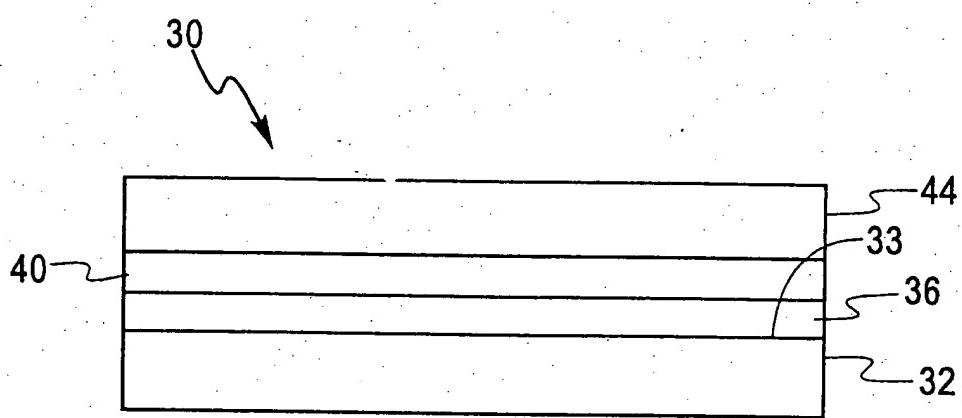
## Phosphorous Doping Problems



**Fig. 1**



**Fig. 2**



**Fig. 3**

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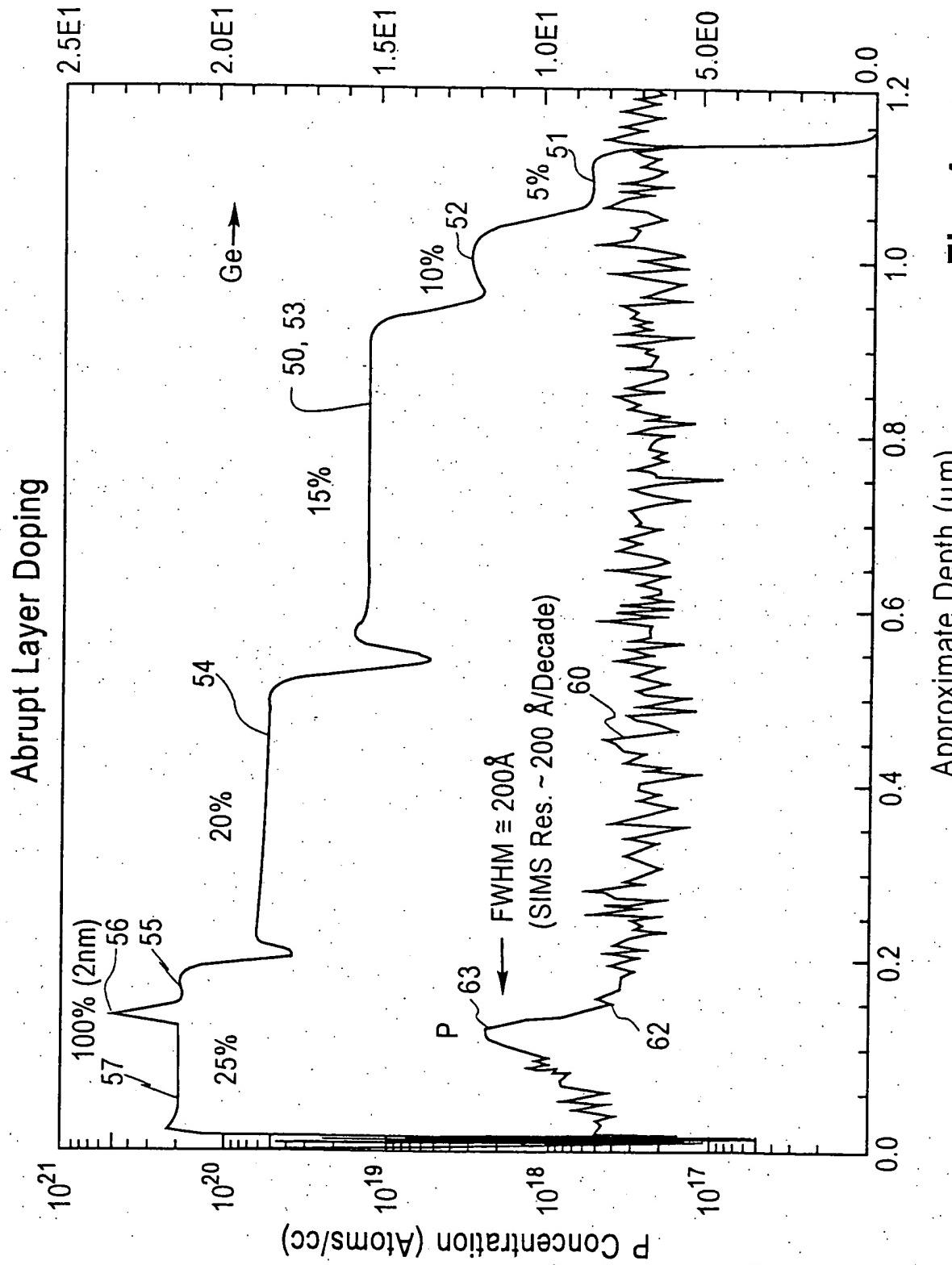


Fig. 4

Ge: P Delta Doping Calibration @ 480°C

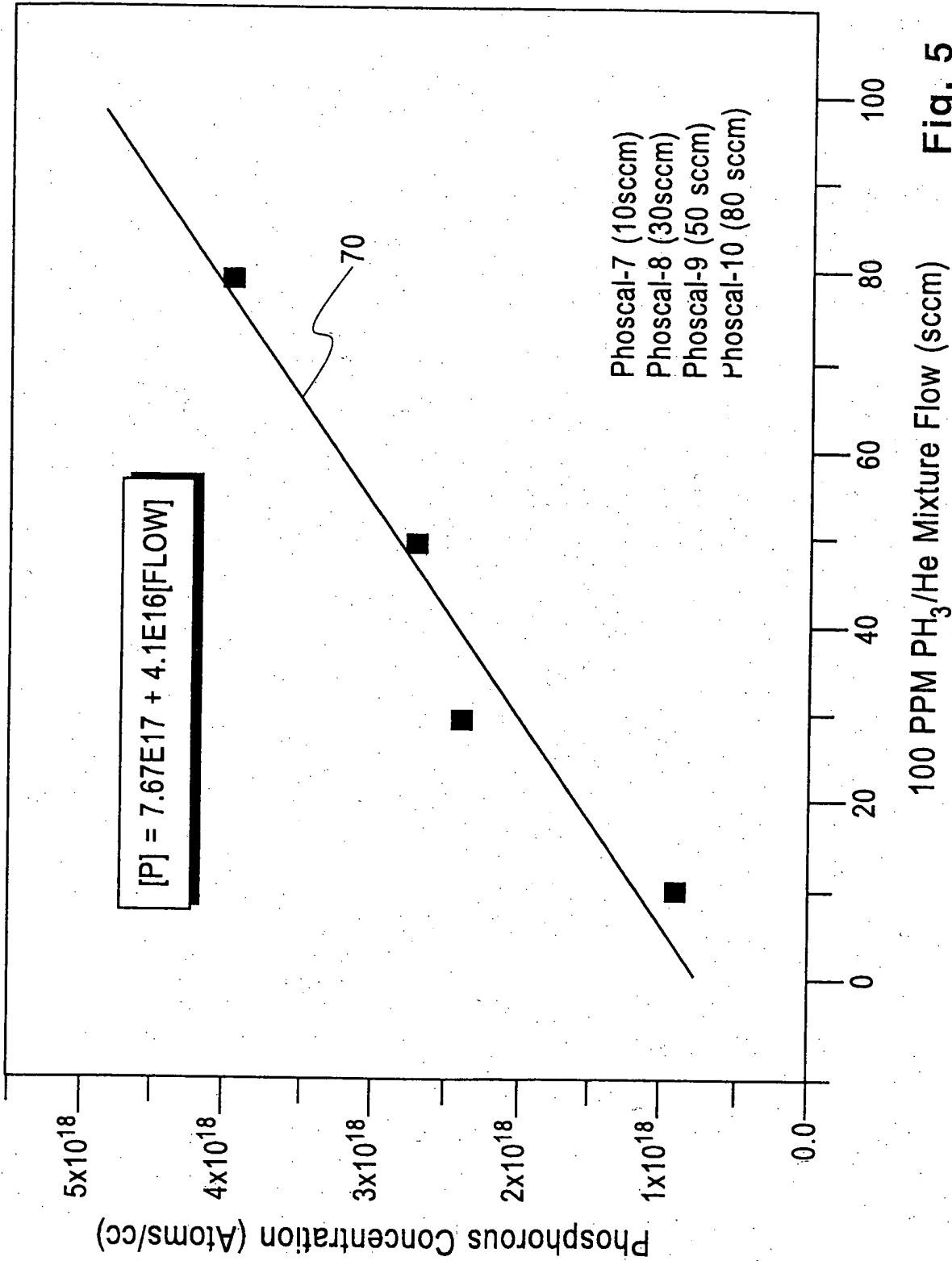


Fig. 5  
100 PPM PH<sub>3</sub>/He Mixture Flow (sccm)

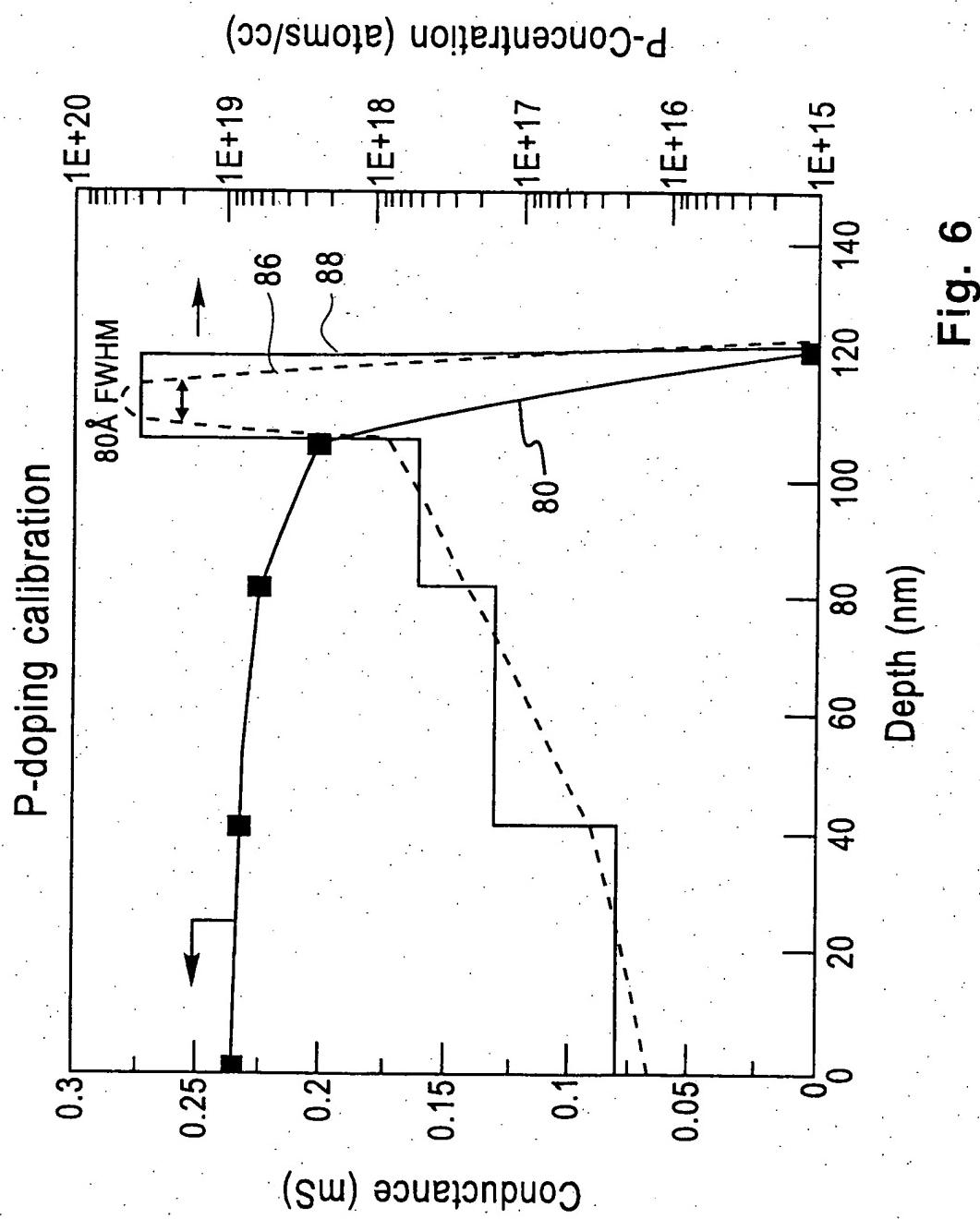
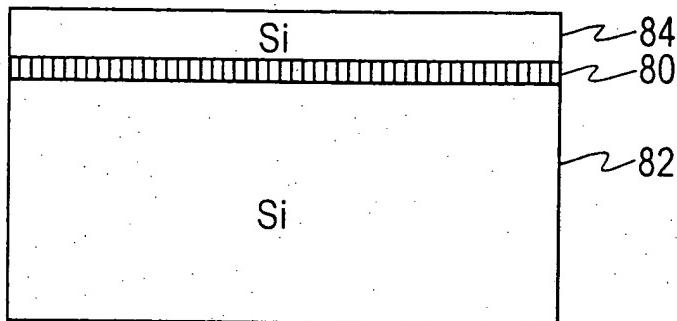
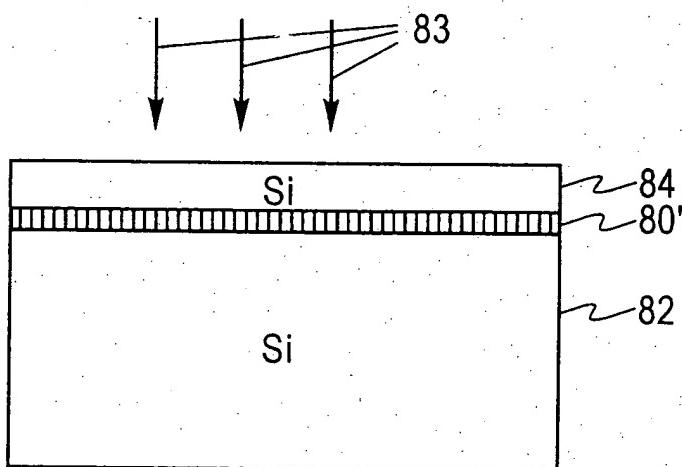


Fig. 6

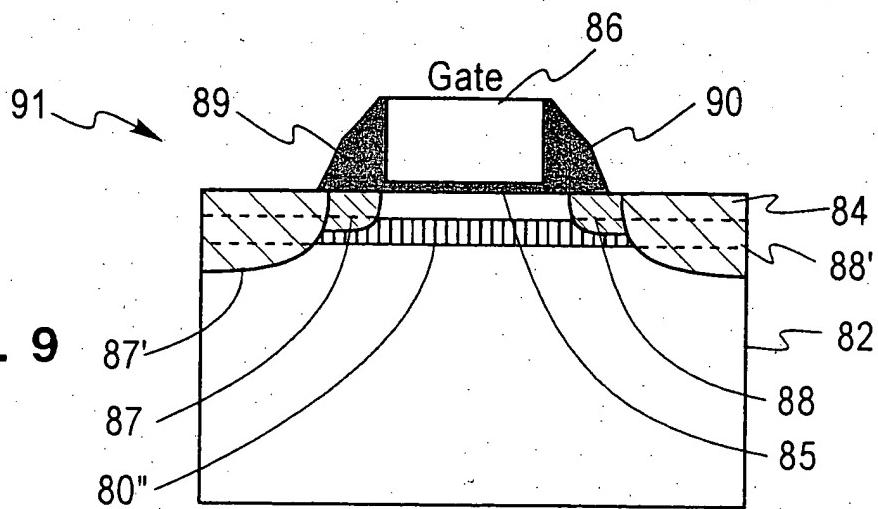
**Fig. 7**

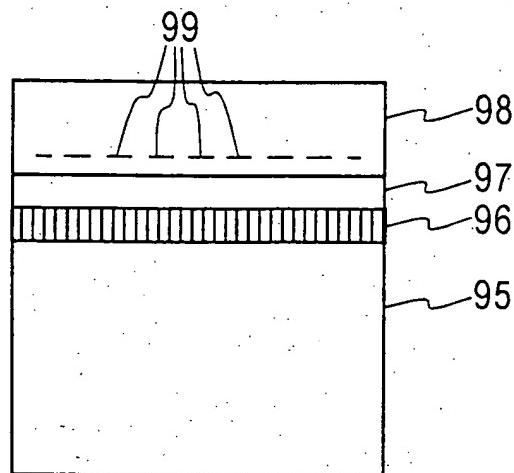


**Fig. 8**

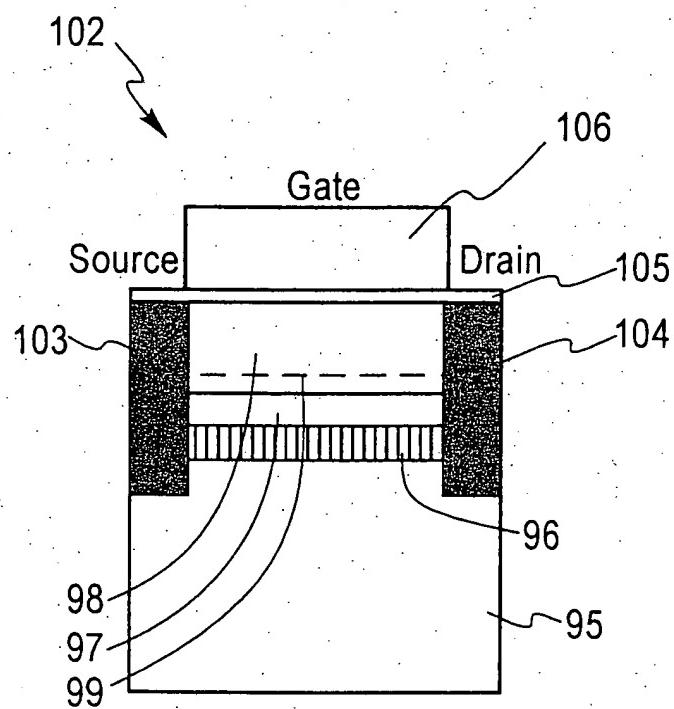


**Fig. 9**





**Fig. 10**



**Fig. 11**

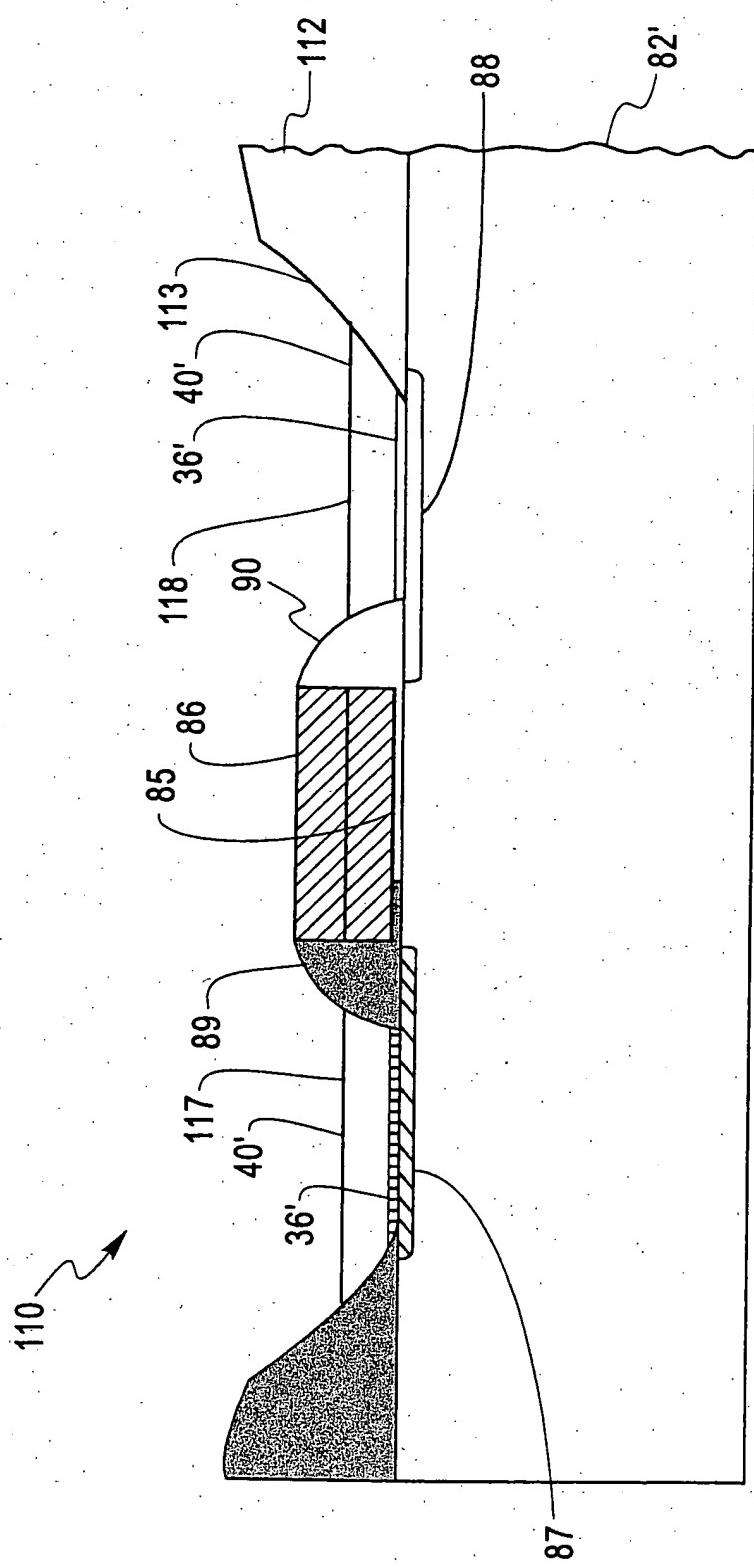


Fig. 12